



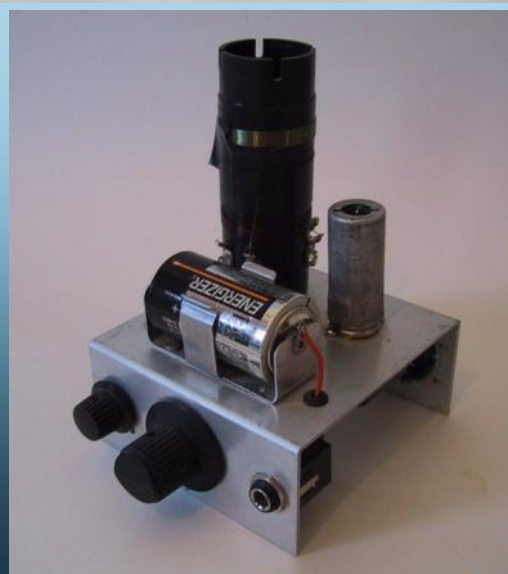
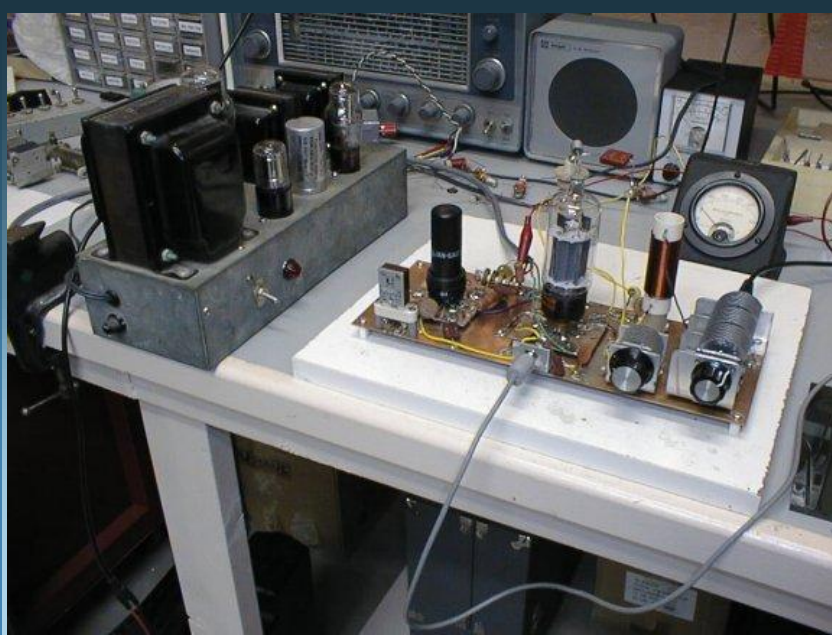
The

GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society
November 2013 <http://www.gars.org/> Volume 22, Issue 11



Home Brewing



This equipment was built by K7JPD (<http://www.duntemann.com/radiogallery.htm>)

Message From The President

It is time for my favorite GARS meeting of the year: The Massive Homebrew Show and Tell. For me, this meeting has always been exciting and inspiring. Home brewing is at the deepest core of the hobby and is almost as important as communications itself. Building, and perhaps more importantly, being able to fix broken equipment is fundamental to the amateur radio service. Working with equipment can be frustrating, but most of the time it is mentally stimulating and fulfilling. For those new to electronics, amateur radio can be a gateway to learning, and *do we* learn new lessons every time we trouble shoot a device or create something we have never made before. To get started in home brewing you do not have to jump right in and build a transceiver. There are dozens or perhaps even hundreds of useful electrical and mechanical accessories to fabricate for your radio shack and your Go Kit.



Kyle Albritton—W4KDA

Over the years I have seen some great accessories at the GARS Massive Homebrew Show and Tell. Let me list some I can think of quickly that I have enjoyed over the years. GARS members have shown off wooden radio platforms, wooden shelves for changing the angle of your rig, a home made microphone boom, a foot operated push to talk switch, a pneumatic PVC antenna launcher with integrated laser pointer, PC to rig interfaces, rig control, through the window coax feed-thru's, a remote antenna switch, home made amplifiers, LED lighting for portable operation, and the list goes on and on. Paul Kelley W4KLY was the only person I can recall showing us an actual home brewed multiband transceiver. Wow, there is some serious creativity in this club!

Other things this club is great at is its support of youth activities. This year we helped to support another Jamboree On The Air, otherwise known as JOTA. What started as a wet morning, turned into a worthy outing. Thanks to all the GARS members who came out and helped to support this event. We should all be proud of GARS' long, proud history of supporting scout based activities over the years.

Thanks also to all the GARS members who helped to support the Stone Mountain Hamfest. We are so lucky to have the hamfest right in the middle of Gwinnett. It is the only two day hamfest in Georgia and it brings a lot of hams to our area. The Alford Memorial Radio Club gives us a donation for our help at the hamfest and I am proud to say we play a part in making the hamfest a success. The weather was perfect this year and our own Dale Burns won the Kenwood TS-590.

One new event I am very excited that we offered this year was the demonstration station we set up for CQ World Wide SSB contest. Norm WA4ZXV and Dave N4KD hatched the idea to not only do the event as a club, but also to turn it into a Show and Tell event where club members could have fun and learn about DX and contesting. We learned that it's hard to contest using a remote station because of network latency, but we did very well with the radio and antennas we set up in the EAA hangar meeting room. We did make a few nice DX contacts and several members had "ah ha" moments that made the whole event worth while.

Later this month there is another Hamjam coming up; <http://www.hamjam.info/> on November 9th. Also, Ham Radio Outlet is having another Manufacturer's Appreciation Day on November 16th. Be sure to stop by HRO where they have hourly prize drawings and at the end of the day they usually give away a transceiver. There is free food and manufacturer's representatives will be on site to answer all your questions. Be sure to car pool because the parking lot gets packed for this fun event.

Remember that in December there is no monthly GARS meeting. Instead we have the GARS Holiday party. You can order tickets to the Holiday Party on the GARS website. The menu is listed elsewhere in this edition of the Garzette.

On December 14th, GARS is offering a Technician level HamCram at the Gwinnett Emergency Operations Center on High Hope road in Lawrenceville. Those who plan to attend must sign up on the website in advance. Please help get the word out to your friends, family, and neighbors.

I look forward to seeing a big turn out for this month's meeting. It is sure to be a fun and motivating one.

As always, may you have great health, wealth, and all your contacts be 59,

Kyle, W4KDA



GARS November Meeting

The Massive Homebrew Show and Tell

By **YOU** - the GARS members

This is an annual event and one of our favorites. Several members will bring something from their shack to share with the club. We've had antennas, restored old equipment, go kits, tuners and just about anything else you can imagine that is sort of home brew or at least different than exists in most shacks. If you plan to bring something, please notify [Sandy](#) or [Norm](#).

Meetings are held on the 2nd Tuesday of each month at 7pm.

(except December)

Sports Aviation Complex - Hangar 1

690 Airport Road

Lawrenceville, GA 30045

[Directions](#)



GARS HOLIDAY PARTY!

Friday, December 6, 2013

Time: 6:30 pm



Location: Our usual meeting place above

Menu

*Balsamic Roasted Pork Loin
and
Southwest Grilled Chicken
with Pineapple Salsa
Buttered Orzo
Italian Green Beans
Sweet Potato Casserole*



PRICE: \$12 adults - \$8 kids - a \$40 cap per family.
See Ralph Pickwick KJ4CNC to pay by check or cash,
or you can pay online using PayPal on the website.

Amsterdam Island DX Group



Dear members of Northwest Gwinnett ARS (GARS),

Recently, DXpedition leader Ralph K0IR announced plans to activate the #4 most-need DXCC entity---Amsterdam Island-St. Paul (FT5ZM). Our operation is scheduled for 18 days and will occur between January 15th and February 20th, 2014. Ralph has assembled a terrific team of great operators with many years of DXpedition experience. They are: James – 9V1YC; Nodir – EY8MM; Michel – FM5CD; Jorge – HK1R; Bob – K4UEE; Craig – K9CT; Erling – LA6VM; George – N4GRN; Arnie – N6HC; John – VE3EJ; Steve – VE7CT; Gregg – W6IZT; and Jerry – WB9Z. Included are three members of the CQ DX Hall of Fame: 9V1YC, K0IR and K4UEE.

The last major operation from Amsterdam Island was 1998, and it has climbed steadily back up the most wanted list in the last 15 years. Our goal is to give everyone who needs a contact for an all-time new one at least one QSO. Secondly, we will provide band/mode contacts for those chasing the DXCC Challenge and other awards.

The team will be QRV on 160m-10m CW, SSB, and Digital modes. There will be two Operating locations are about 2 kilometers apart. Each location will allow a full complement of antennas. The separation will allow simultaneous CW/RTTY and SSB transmission on the open bands. The group plans on eight stations; four at each location. Elecraft K3's, a full complement of antennas, and 500 watt amplifiers will be the backbone of the station configurations.

As with past DXpeditions to "Top Ten" DXCC entities, this is a costly venture. The ex-

(continued on page 5)

Amsterdam Island DX Group

(Continued from page 4)

penses total just over \$400,000. Each operator must contribute a minimum of \$10,000 of his own money; pay his own way to/from Fremantle, Australia. They will be away from home and family for six weeks, spend 16 to 18 days at sea, and be prepared for the financial and physical risks inherent in a major DXpedition of this magnitude.

The group needs your financial support to successfully complete this major project and is asking all DXers to contribute what they can to make this happen. We are hopeful that clubs and major sponsors will help us; INDEXA has already made an extremely generous contribution to the project and the NCDXF has honored us with a very large grant. But we also need the help of individual DXers, not only from North America, but also from Europe, Asia, Africa, South America, and Oceania. Let's make this happen! Then, let's enjoy the chase of a new country, a new band country, or working a rare one!

So, please consider a generous contribution to this project. To have your club or organization's logo included on our QSL card please contribute \$500 or more; or \$250 to have your club's name included on the QSL card. Individual contributions of \$100 or more will be listed on our QSL card. Everyone who supports the DXpedition will be listed and properly recognized on our website.

We encourage you to visit the Amsterdam Island website (www.amsterdamdx.org) and donate via the PayPal link. It's free and easy. You can contribute with a major credit card, AND you don't even have to have a PayPal account to do it! If that is not convenient, you may print the contribution form provided on our website and mail a check or money order.

If you choose to use the mail, be sure all checks are made payable to: Amsterdam Island DX Group. Remember to put your club's name on the "for" line.

Please mail all contributions to:

**Amsterdam Island DX Group
C/o Bob Allphin, K4UEE
4235 Blackland Dr.
Marietta, Ga. 30067**

The Way It Used To Be

Amateur Radio, the Good Old Days?

The Early Years

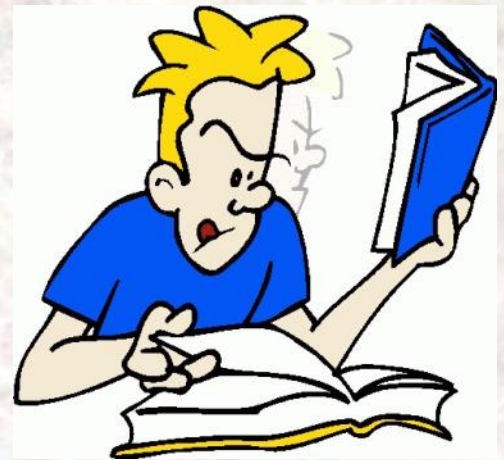
I have been a licensed Amateur Radio Operator for 50 years. I received my Novice license in 1963 when I was 16 and quickly advanced to General. I know to you new folks, this doesn't sound like a big deal, but believe me things were a lot harder then. (I will explain later.) Growing up in the late fifties and early sixties, electronics was starting to take off. Television was replacing radio and I will never forget our first TV. It was a black and white model with a 9 inch round screen. (So, no complaints about your 15 inch color computer monitor.) Amateur Radio equipment consisted of vacuum tube receivers and transmitters. Most equipment was home brewed, or military surplus. There was some commercial equipment available but it was expensive. The modes of choice back then were AM and CW, so you could build your equipment with just a handful of parts. My first transmitter was assembled from the remains of an old TV set. I used the power transformer, rectifier tube, and capacitors for the plate and filament supply. The horizontal oscillator tube was used as an oscillator amplifier; it ran about 50 watts. Novices were not allowed to use VFO's, so crystals were used. You would call CQ and then tune up and down the band to see if anyone was calling you. When you are rock bound (crystals) it was unlikely you would find someone on your exact frequency. Somehow we managed to find each other and have great fun in the process.

FCC Testing

When I said things were tougher in the good old days it was no joke. First of all you had to travel to the nearest FCC office to take your exam. In my case I had to travel from [my] home in New Jersey to New York City. At 16 years old your options on travel are limited to getting a ride from your parents, busses or the "shoe leather express". Back then the Amateur Exams were only given once a month on a weekday. This meant you would have to beg your parents to allow you to take a day off from school and take the bus into the city. If you failed the exam you had to wait one month before you could take it again. The FCC Office in New York was like most Federal buildings, old and menacing for young and old alike. The Federal Employees giving the exams were less than cordial and I believe cattle were treated better at the slaughterhouse. The gentleman in New York at that time was named Finkleman and he left a life time impression on me as how *not* to treat people. He had white hair and smoked those long Havana cigars. He had no inflection in his voice when he talked and had a stone cold face that showed no expression at all. (what a warm human being).

The Mother of all Exams

Now if you made it past these obstacles you now faced the Mother Of All Exams. You were herded into a large room with old style wooden desks and given one sheet of paper and a pencil. The code test was given by a Reel-to-Reel "Paper Punch" machine and no one asked you if the volume was OK.... The text was sent for five minutes and you had to copy one minute solid copy. That also meant Finkleman had to be able to read your handwriting, as I am sure he did not give anyone the benefit of the doubt. At the completion of the exam the papers were snatched up so you did not have time to make any corrections. After a period of time Finkleman would come in and read a list of names and the fun part was [that] you never knew if he was reading a list of those who passed or those who had failed. He liked to keep you guessing until the last moment. This guy Finkleman must have been related to the Marquis De Sade. After passing the copying part you would also have to send the code as well. If you were lucky enough to make it through the code exam the written exam was no cake walk. The study guide used was the FCC License Manual, it was about as help-



(Continued on page 7)

The Way It Used To Be

The Good Old Days—(Continued from page 6)

ful as an anchor to a drowning man. The test was designed in such a way that most questions had two correct answers, with one being more correct than the other. That is government logic for you, some things never change. The test included schematics and you also had to work the math (no calculators back then). You could also take it to the bank that they placed the decimal in every answer to trip you up (.1 , .01, .001, .0001 amps).

Finally after all that, Finkleman would grade your written exam. If he was in a good mood he would either shake his head up and down (that's a pass) or left and right (that's a fail). I guess being a government employee he didn't want to expend any extra energy by having to talk. Like I said, things were harder then. But when you passed you had a real sense of accomplishment.

Radio Row

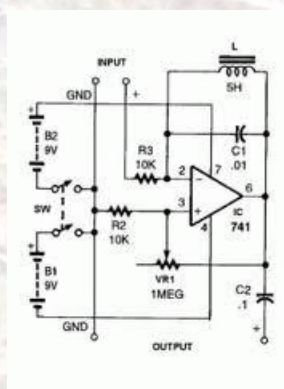
The only bright spot in failing an exam at the FCC in New York was a visit to Radio Row in lower Manhattan. (now occupied by the World Trade Center). The only way I can describe the place was that it was like an on going electronics flea market. It was open for business six days a week, 52 weeks a year. Tons of used surplus radio parts and equipment were available. The shops would place the goodies on tables in front of the store and for a quarter or fifty cents you could find just that part you needed to complete your transmitter or receiver. This was indeed the largest "Candy Store" in the good old USA for Amateur Radio Operators. Harrison Radio had a giant store that had one section dedicated to new equipment and another [one] loaded with used equipment. If you could not find what you needed at Radio Row it did not exist.

Entering Amateur Radio Today

After reading about the good old days, it is easy to see [that] some things are much better today, and I just don't mean the equipment. There is an exam scheduled just about every week somewhere and it is given by a fellow Amateur (not a Federal employee). The written exam test pool study material is complete [and free] and the code exam has been discontinued. Radio Clubs across the country like ours have classes set up to help you learn about Amateur Radio and pass the exam for your ticket. I am an ARRL VEC and let me tell you they do a great job up there in Newington entering the test information and getting it to the FCC. In most cases the exams I give on Saturday are posted on the FCC database by Wednesday or Thursday. (Much better than the 6-week wait we had in the good old days). Entering Amateur Radio today is a rewarding and pleasurable experience. Amateur Radio has been great fun for me over the years and I have made many new friends all over the world. So go out and spread the word about our hobby and give a helping hand and a word of encouragement to the new folks coming up.

Bob Varone - W4ETN

[via Dave Bruse, W4DTR]



CONGRATULATIONS!

Home Brew Projects

A Passive LC Audio Filter for Amateur Radio Use

External audio filters are sometimes used to improve the selectivity or enhance the audio quality of amateur radio receivers. These filters are usually implemented as op-amp active filters, switched-capacitor filters, DSP-based filters, or some combination thereof.

Another possible and much older filter implementation approach uses a combination of inductors (L) and capacitors (C) with no active components. Such passive LC filters have a significant advantage in that they do not introduce the noise and distortion typical of many active circuits.

Passive LC filters can be quite effective in improving the audio from a receiver. Residual power supply hum can be virtually eliminated and background hiss originating from wideband high-gain amplifier stages is often greatly reduced. Lowering the background noise level makes it significantly easier to copy weak signals and also reduces operator fatigue. Harmonic distortion products can also be eliminated, particularly in the case of a narrow-band passive CW filter.



Ed Wetherhold, W3NQN, pioneered the application of surplus telephone toroidal inductors, commonly known in the industry as loading coils, to audio filters for use in amateur radio applications. Perhaps the most popular of his audio filter designs is his high-performance passive CW filter. Thousands of copies of this filter have been built over the years. It has received numerous rave reviews, some of which can be found [here](#) and [here](#).

The project described on this page is my effort to create a passive LC audio filter accessory for my home station. It contains bandpass filters for both CW and voice. Design concepts for the filters used in this design have been leveraged from Ed's previous work. The filter inductors used in my project have been fabricated from surplus telephone loading coils.

This is the completed filter unit. It contains a rotary switch to allow the operator to select any one of three receivers without having to swap cables. Both 1/4-inch and 3.5-mm headphone jacks are provided. An external speaker jack is located on the rear panel along with input signal jacks.

For the REST of the STORY, please go to <http://www.genebitsystems.com/david/AudioFilter/index.htm>

Musical Morse

My recent work with the musical standard for middle "A" tuning got me thinking. If you polled all the CW operators you could, what would be their preference when it comes to BFO pitch? If the band is congested or noisy and a CW filter is in use, they may not have much choice. If you search the web using the phrase, "432 tuning", you will see a number of websites that discuss the differences between middle "A" at 440 Hz and the much-preferred 432 Hz standard. While it may seem crazy to some, as a musician I have to agree that a 432 Hz tone is much more pleasant to listen to.

Readers might try a little experiment. Try copying Morse code with the received pitch set to 432 Hz instead of what you're accustomed to hearing, and see whether you experience less fatigue. If you can get your hands on a music instrument tuning meter, measure the pitch of your "normal" CW copying tone and see if it is a harmonic of 432 Hz. Tone generating and tuning apps are readily available in the iTunes App Store, and are probably available for Android devices as well.

My hypothesis is that some hams will find copying CW at 432 Hz, or a musical multiple to be more pleasant overall.

Bob Schroeder, N2HX Ewing, New Jersey [as seen in QST Magazine and with permission from Bob Schroeder]

HAMJAM 2013

Presented by
North Fulton Amateur Radio League
and
Southeastern DX Club

Saturday, November 9, 2013 8:30am-1:00pm
Metropolitan Club, 5895 Windward Pkwy, Alpharetta, GA.
Talk in: 147.06 (+) PL 100.0Hz On-site questions: 146.52

As in past years, the event is open to all hams and admission is **FREE**.

This is our 5th anniversary

This year's **speakers** bring interesting and diverse perspectives to **HamJam2013**

Bob Allphin, K4UEE, has been a ham for over 55 years. He is one of the best known operators and DXers in the world, and has significantly impacted the DX side of ham radio with his abilities as an organizer and participant in numerous expeditions, 9 of which received the coveted "DXpedition of the Year" award. Bob will share some of his highly interesting "Behind the Scenes" stories at HamJam.

Dan Henderson, N1ND, has been a ham for over 43 years, and is currently the ARRL's Regulatory Information Manager, where he strives to help hams operate legally, safely and appropriately. Dan has been involved in many facets of the hobby, which supports his broad range of interests in general. Dan will share some of his insights into the fascinating hobby we share in a most compelling way at HamJam.

Riley Hollingsworth, K4ZDH, has been a ham since 1960 and after earning his law degree served in several capacities with the FCC, from which he retired in 2008. In his words "I enjoyed every day of my career at the FCC, but my last 10 years there in the Amateur Radio enforcement segment was the greatest privilege of my life and gave me an opportunity to pay back in some way all of the joys and rewards Amateur Radio gave me". Riley has many interesting stories from his days at the FCC, and he will share some of them at HamJam.

A number of wonderful prizes will be raffled to help the sponsoring organizations offset expenses and with net proceeds going to youth activities and scholarship funds with more still to come so stay in touch with www.hamjam.info

Single raffle tickets can be obtained for a \$5 donation and 5 tickets for a \$20 donation from some NFARL or SEDXC members at several meetings around the area or directly on the internet at www.nfarl.org/mart using your Paypal, Visa, Mastercard, or Discover.

See the web site www.hamjam.info for raffle rules.

(Continued on page 10)

HAMJAM 2013

(Continued from page 9)

Remember the date and time. **November 9, 2013 8:30AM – 1PM**
No charge for attending, and there will be a \$100.00 gift certificate to HRO as a door prize with no purchase of raffle tickets required!

Raffle ticket purchasers **do not have to be present** to win one of the following three prizes.

Yaesu FT- 1200 DX HF XCVR (net value \$2400.00).



Kenwood TS-590S HF XCVR (net value \$1600.00)



Icom ID-51A Dual Band VHF/UHF XCVR with D-STAR (Net value \$650.00)

You or your proxy will need to be present to win one of the following raffle prizes listed below and possibly others still to come.

*Diamond Antenna "Anything in the catalog" up to \$400.00

*SteppIR CrankIR vertical \$379.00

*TenTec FG-01 Antenna Analyzer \$249.00

*Buddistick Deluxe Package \$179.00

*Begali keyer \$170.00

*MFJ SWR/Watt Meter #868 \$139.00

*Vibroplex Iambic keyer \$119.00

The following prizes listed above, identified by an (*), indicate that you must be present to win

or use a proxy that is present at HamJam2013 to be awarded one of these raffle prizes.

See the rules regarding proxy at www.hamjam.info/raffle.html

Much more information at www.hamjam.info

(all info subject to change)

HRO Manufacturer's Day is November 16th

Pictures of LAST YEAR at the HRO Manufacturer's Day



GARS Membership Page

New GARS Members in October

Invite others to join!

New Members: 0

**Total Members as of November 1, 2013
- 246 -**

Join us for our weekly breakfast gathering at 7:30 AM Most Saturdays at:

Golden Corral
2155 Riverside Parkway
Lawrenceville, GA 30043
([Directions](#))

Also, before our Tuesday meeting you are invited to join other GARS members and guests dining at:

The Flying Machine (starting about 5:30 PM)
510 Briscoe Blvd. NE
Lawrenceville, GA
([Directions](#))

The following members are celebrating birthdays in November:

HAPPY BIRTHDAY!!
From All of Us at GARS

John Bachtel (NR4JB)
Pamela Brown (KJ4RYV)
Julia Collier
Lasburne Colquhoun (KK4IQG)
Puddin Garrison (KJ4QIB)
Eddie Geike (AK4WM)
Omar Herrera (KB2FYS)
Kevin Kirts (KK4NHU)
John Kludt (K4SQC)
Karen Kregel (KC6JCX)
Allison Lynch (KZ3JFY)
Louis Manglass Jr (NY4F)
Norbert Nikley (KK4TPW)
Donald Ruane (KK4JJJ)
Nancy Sanctuary (KD4MZI)
Jack Shipley (W4UVQ)
Louis Shulman (KJ4DRW)
Bill Stewman (W5RQR)
Robert Stranyak (KK4KIL)
James Webb (W4NTA)
Nova Whatley (KF4HLG)
Karen Whited (KJ4VQI)

GARS Membership

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new email address, new phone number, etc.), please email the Membership Committee - membership@gars.org

You can **renew or update** your Amateur Radio license information with the FCC at their website for free - <http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chairman: Rick Cobb, N4XY
Committee Members: Karen Albritton, KI4HPP; Richard Atkin, KJ4ZTY.

NET MANAGERS CORNER

Hello Everyone from N4LNE, GARS Net Manager.

I want to thank everyone for taking the time to check in to the nets and I especially wish to thank the NCS and ANCS stations for their time and efforts.

Please think about adding your name to the list as NCS or ANCS.

Monday Night Net Stats

<u>DATE</u>	<u>CHECK INS</u>	<u>NCS</u>	<u>ANCS</u>
10/28/2013	32	Norm WA4ZXV	-
10/21/2013	24	Hal W4IGE	-
10/14/2013	25	Ray N4GYN	Norm WA4ZXV
10/07/2013	28	John WB4QDX	Ashley K4ASH

Wednesday Night "Know It All" Net Stats

<u>DATE</u>	<u>CHECK INS</u>	<u>NCS</u>	<u>HOST</u>
10/30/2013	-	Jeff AB4HF	-
10/23/2013	15	Jeff AB4HF	Allison KZ3JFY
10/16/2013	21	Jeff AB4HF	Jim KK4LDD
10/09/2013	-	Jeff AB4HF	Jeff AB4HF
10/02/2013	19	Jeff AB4HF	Jim KK4LDD

73'

See you on the Nets!

Phil, N4LNE Net Manager



TOPICS for the "KNOW IT ALL" Net November Topics

November-06 Ham Radio Activities
November-13 Getting On the Air
November-20 Tube Amplifiers
November-27 Call Signs

Everyone is having great fun on this new net! Come join us and become a "KNOW IT ALL".

TIME: 8:30 every Wednesday evening on the GARS repeater - 147.075, PL 82.5

ARRL CONTESTING INFO

November

16-17 [EME 50-1296 MHz-Round 2](#)

16-18 [Nov. Sweepstakes – Phone](#)

December

6-8 [160 Meter](#)

14-15 [10 Meter](#)

22 [Rookie Roundup–CW](#)

January

1 *Straight Key Night:* 0000 UTC - 2359 UTC January 1

4-5 *RTTY Roundup:* First full weekend of January, but never on January 1, 1800 UTC Saturday through 2359 UTC Sunday.

18-19/25-26 *VHF Sweepstakes:* The third or fourth weekend in January. See the [current rules](#) for this year's exact date. 1900 UTC Saturday through 0359 UTC Monday.

November

November Sweepstakes - CW: First full weekend in November, 2100 UTC Saturday through 0259 UTC Monday.

November Sweepstakes - Phone: Third full weekend in November, 2100 UTC Saturday through 0259 UTC Monday.

December

ARRL 160 Meter Contest: First full weekend in December, 2200 UTC Friday through 1559 UTC Sunday.

ARRL 10 Meter Contest: Second full weekend in December, 0000 UTC Saturday through 2359 UTC Sunday.

Rookie Roundup: Third Sunday, 1800 UTC through 2359 UTC.



HAMFEST CALENDAR

Southeast US

11/09/2013 | [Montgomery Hamfest 2013](#)

Location: Montgomery, AL

Sponsor: Montgomery Amateur Radio Club

Website: <http://hamfest.w4ap.org/>

01/04/2014 | [Freeze Fest 2014](#)

Location: Locust Fork, AL

Type: ARRL Hamfest

Sponsor: Blount County Amateur Radio Club

Website: <http://freezefest.com>

01/11/2014 | [Greenwood, SC Hamfest 2014](#)

Location: Greenwood, SC

Type: ARRL Hamfest

Sponsor: Greenwood Amateur Radio Society

Website: <http://w4gwd.org>

02/22/2014 | [Dalton Hamfest](#)

Location: Dalton, GA

Type: ARRL Hamfest

Sponsor: Dalton Amateur Radio Club

Website: <http://daltonhamfest.com>

03/01/2014 | [Alabama Section Convention \(BirmingHAMfest 2014\)](#)

Location: Birmingham, AL

Type: ARRL Convention

Sponsor: Birmingham ARC

Website: <http://BirminghamFest.org>

03/15/2014 | [Ellijay Ham Fest](#)

Location: Ellijay, GA

Type: ARRL Hamfest

Sponsor: Ellijay Amateur Radio Society

Website: <http://www.w4hhh.org>

03/29/2014 | [Thomasville ARC Hamfest](#)

Location: Thomasville, GA

Type: ARRL Hamfest

Sponsor: Thomasville Amateur Radio Club

Website: [http://](http://thomasvilleamateurradioclub.com/hamfest/)

thomasvilleamateurradioclub.com/hamfest/

BSA Venture Crew 73 Wants You!

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology,

Venture Crew 73 is for you.

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:
Briscoe Field - Sports Aviation Complex
Hangar 1, 690 Airport Road
Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

We enjoy:

- ♦ *Camping*
- ♦ *Hiking*
- ♦ *Horseback Riding*
- ♦ *Shooting Sports*

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY

Venture Crew 73 Committee Chairman

Phone: 770-712-9069

Email: committeechair@venturecrew73.org

Jeff Lee, AF4JL

Venture Crew 73 Advisor

Phone: 678-475-3165

Email: advisor@venturecrew73.org

Open

GARS Officers and Committee Chairs

Kyle Albritton, W4KDA
President



Earl Whatley, AF4FG
Vice President



Hal Collier, W4IGE
Secretary



Ralph Pickwick, KJ4CNC
Treasurer, Apparel Manager



Sandy Jackson, KJ4DRO
Program Manager



Rick Cobb, N4XYY
Membership Chairman



Dave Bruse, W4DTR
VE Team



David Adcock, KA4KKF
Webmaster, Field Day Chairman



Dorothy Jubon, N2DLJ
Public Information Officer



Norm Schklar, WA4ZXV
TechFest Chairman



Ray Bailey, N4GYN
GARzette Editor



Jeff Cutchins, AB4HF
Multimedia Chairman



John Ackermann, N8UR
W4GR Trustee



Eddie Foust, WD4JEM
Repeater Chairman



Mike Weathers, ND4V
WAS-Checker, Historian



Phil McCleary, N4LNE
Net Manager, ELMER Chair



Mike Swiderski, K4HBI
Technical Advisor



GARS Communications

2 Meter Repeater
147.075(+) MHz
82.5 PL Tone

APRS
144.390 -- 1200 Baud
W4GR

D-Star
WD4STR
145.060 + (1.4 MHz)
440.550 + (5 MHz)

Main Repeater Site
Oak Street,
Lawrenceville

2 Meter Repeater
147.255(+) MHz
107.2 PL Tone

6 Meter Repeater
53.110 (-1 MHz)
82.5 PL Tone

70 Cm Repeaters
444.525(+) MHz
82.5 PL Tone
442.100(+)
82.5 PL Tone

Backup Repeater Site
Lanier Mountain,

Just for Fun

Come and Join us On the Airwaves

by The Ham Band

Check out this really cool video
about happiness via Ham Radio

For the best quality version of this
video, you may download it here:

[http://www.skedaddle4scholarships.org/
movie4hr.htm](http://www.skedaddle4scholarships.org/movie4hr.htm)

You will need RealPlayer or FLV Player
to view it.

Get RealPlayer (free) here:

<http://www.real.com/realplayer/search>

Another video player that works is:

[http://applian.com/flvplayer/
download flv player only](http://applian.com/flvplayer/download_flv_player_only)

Ray - N4GYN

GARS Recurring Calendar

- ◆ Monthly club meeting is the 2nd Tuesday of the month at 7 pm
- ◆ Every Monday at 8 pm: GARS Want, Swap, Sell, and Information Net on the GARS 2-meter repeater
- ◆ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 2-meter repeater
- ◆ Every Thursday at 9 pm: GARS Round Table Net, 2 & 6 Meters
- ◆ Every Saturday at 7:30 am: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

Meeting Minutes for October 8, 2013

- Kyle Albritton, W4KDA, President, called the meeting to order at 7:03 pm.
- First time visitors and special guests were recognized.
- Introductions were made by those present.
- Kyle called for committee reports:
- Treasurer's report – presented by treasurer, Ralph Pickwick, KJ4CNC:
- Membership report – available in the *Garzette*.
GARS currently has 253 members.
There were 5 new members in September.
- Program Manager report—The November meeting program will be the Massive Homebrew show and tell.
The December meeting will be at the GARS Holiday Party.
- Kyle Albritton, W4KDA, announced the following:
The foxhunt was a success and had 14 fox hunters. It lasted for 2 hours. The fox was located in Duluth and was broadcasting on 147.075 with 1.5 watts.
- Steve Back, WB2OGY, needs help with the foxhunt at JOTA.
- The Stone Mountain Hamfest is on Nov 2-3. Help is needed at the Youth Lounge and GARS tables. Alford Memorial would like some help Friday night and Saturday morning with security and parking. Tickets are \$6 before the Hamfest or \$8 at the gate.
- The GARS Holiday party will be on Dec 6th. Purchase tickets via PayPal on the GARS website. Tickets are \$8 for children, \$12 for adults and there is a \$40 max per family.
- The next Hamcram will be at the Gwinnett EOC on Dev 14th. Signup on the GARS website.
- HRO Manufacturers day will be on Nov 16th from 8am-5pm.
- GARS will be scheduling a CW class for 2014 along with possible soldering classes and kit builds.
- JOTA is being held on Oct.19 from 8am-4pm at the VFW post. There will be 2 merit badge classes and at least 2 HF stations.
- Norm Schklar, WA4ZXV, reminded everyone that on Oct 26th from 10- 2 will be a live presentation for the CQ Worldwide contest at the EAA.
- Norm Schklar, WA4ZXV, reminded everyone that HamJam will be on Nov 9th in Alpharetta at the Metropolitan Club. The event is free and raffle tickets can be purchased at <http://www.hamjam.info>.
- Hal Collier, W4IGE, gave a short presentation on the Amateur Radio Emergency Service(ARES).
- Break
- The program for tonight was "Antenna Modeling" by Jim Worthington, AD4V.
- Prize drawings were held.
- There were 68 attendees.
- The meeting was adjourned at 9:07.

Hal, W4IGE, Secretary

The GARzette

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The GARzette is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN
770-689-6620 or editor@gars.org

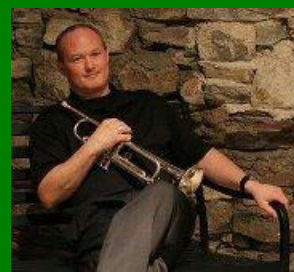
GARS CALENDAR OF EVENTS NOVEMBER 2013

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
				1	2 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive	3
4 8:00 pm - 9:00 GARS 2m Net	5 6:30 pm - 8:00 pm GARS Exec Meeting	6 8:30 pm - 9:30 pm GARS Know-It-All Net	7	8	9 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive	10
11 8:00 pm - 9:00 GARS 2m Net	12 5:00 pm - 6:30 pm Dinner at Flying Machine 7:00 pm - 9:00 pm GARS Meeting	13 8:30 pm - 9:30 pm GARS Know-It-All Net	14	15	16 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive	17
18 8:00 pm - 9:00 GARS 2m Net	19	20 8:30 pm - 9:30 pm GARS Know-It-All Net	21	22	23 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive	24
25 8:00 pm - 9:00 GARS 2m Net	26	27 8:30 pm - 9:30 pm GARS Know-It-All Net	28	29	30 7:30 am - 9:30 am Breakfast at Golden Corral on Riverside Drive	

Metro Testing Sessions	Ham Exam Results for October 13, 2013	Metro Club Meetings
<p><i>GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at http://www.arrl-ga.org.</i></p> <p>First Sunday, ODD Months 2 pm (Jan, Mar, May, Jul, Sep, & Nov) WCARS VEC Braselton Public Utility Building 4986 Highway 53, Braselton, GA Roger Gibson, WB4T (770) 271-4210 or (770) 712-9560 w4rlg@bellsouth.net</p> <p>First Sunday, EVEN Months 2 pm (Feb, Apr, Jun, Aug, Oct, Dec) WCARS VEC Hall County EOC 470 Crescent Dr. Gainesville, Ga. Perry Roper, KO4RD (770) 536-3056</p> <p>Second Saturday, ODD Months ARRL VEC 8:30 a.m. Stone Mountain Methodist Church 5312 West Mountain St. Stone Mountain Bob Varone, W4ETN (770) 978-3179</p> <p>Second Sunday VEC: W5YI 2 pm Gwinnett County Fire Station #5 3001 Old Norcross Road Duluth, GA 30096 Contact: Dave Bruse, W4DTR Email: exams@gars.org</p> <p>Third Saturday VEC: W5YI 3 pm (Except December) Auburn City Hall Council Room 1369 Fourth Avenue Auburn, GA Steve Donellan, N5SMD (404) 520-0368</p> <p><i>(cont. next column)</i></p>	<p>We had an excellent exam session today.</p> <p>3 out of 3 applicants passed.</p> <p><u>Ham exam session results:</u> - 2 new Technicians - 1 upgraded to General</p> <p>Thanks to the VE's who made this exam session possible:</p> <ul style="list-style-type: none"> - Dave Bruse, W4DTR (CVE) - Larry Whited, WB4FGF - Ralph Pickwick, KJ4CNC - Rick Cobb, N4XYY - Robert Pursley, WD4KQQ - Sid Weaver, N4NQ (Co-CVE) <p>Thanks & 73's,</p> <p><i>Dave Bruse</i>, W4DTR</p> <p>Email: exams@gars.org</p> <p>GARS VE Website: http://groups.yahoo.com/group/ARS_VE_Team/</p>	<p>First Tuesday Kennehoochee ARC Downtown Marietta Fire Station #1, Training Room 112 Haynes Street Marietta, Georgia 30060 Meeting begins at 7:00pm Talk In 146.880(-)</p> <p>First Thursday Atlanta Radio Club Georgia Red Cross HQ 1955 Monroe Dr., Atlanta Meeting is at 7:30pm Talk In -146.820(-) N.E. Georgia ARC Commerce Public Library Meeting is at 6:30pm Talk In - 147.225(+) PL 123.0</p> <p>Second Monday Georgia Tech ARC Room W218 Van Leer Electrical Engineering Bldg. Georgia Tech Campus Meeting at 7:00pm</p> <p>Second Thursday Alford Memorial Radio Club Annistown Road Baptist Church Intersection of Annistown Rd & Spain Rd Stone Mountain Dinner at 6:00pm Meeting at 7:30pm Talk In - 146.760(-)</p>
	<p>Fourth Tuesday ARRL VEC 7 pm @ United Way Service Center 6279 Fairburn Rd., Douglasville Jessie Clower, KB4WFK (770) 942-6466</p> <p>Fourth Sunday 2:30 pm Georgia Tech VanLeer Elec. Building Rm. W218, 777 Atlantic Dr. See www.w4aql.com Alexander G. Carver (404) 894-2936 acarver@ece.gatech.edu</p>	<p>Second Saturday North GA QRP Club Board Room of The Shepherd Center at 2020 Peachtree Rd, NW, Atlanta at 10:00 AM</p> <p>Third Tuesday North Fulton Amateur Radio League Masonic Lodge 194 Milton Avenue Alpharetta, Georgia meeting at 7:30pm Talk In - 145.47(-)</p> <p>For more, go to: http://www.gars.org/</p>

Finally

A clog-free gutter
with no fine print.



The leading clog-free gutter systems guarantee. You'll never have to clean your gutters again. Now, you can have clog-free gutters and no overshoot, guaranteed. The Real Gutter Protector's Waterloov® System uses a patented design that slows water more effectively and draws water in more completely, with smaller openings that keep out more debris. It works so well that we simply don't get service calls – even on metal or steep roofs, even in the heaviest rain.

<http://www.clogfreegutterprotector.com> Atlanta, Georgia - (770) 630-1582
Greenville, Anderson, Seneca, South Carolina - (864) 757-4880



GWINNETT COLLISION CENTER, INC.



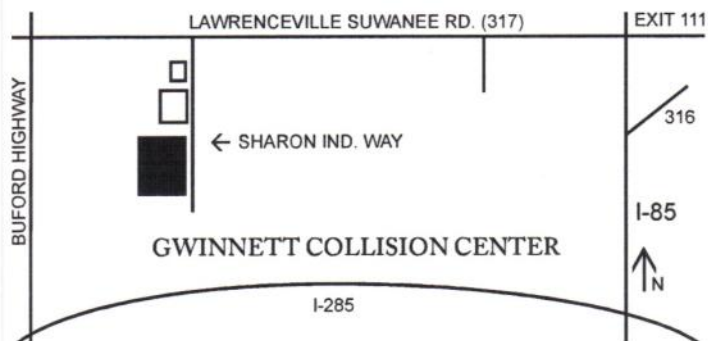
305 Sharon Industrial Way
Suwanee, Georgia 30024
770-945-0161

Import and Domestic
Unibody and Frame Repair

MARTY FOWLER
KE4MLH

See Map On Reverse

MARK JUSTICE



PRUDENTIAL GEORGIA REALTY

SHARON ADCOCK

404-428-9127

sharon@sharonadcock.com

You need an expert on your team
when buying or selling real estate.
10+ years experience of listening
and filling YOUR needs.



Prudential
Real Estate

www.sharonadcock.prudentialgeorgia.com

GARS Specialist
Top Negotiator
Top Agent



Helping hams with the sale and purchase
of their properties takes extra time, effort
and dedication. Not every agent is willing
to make that commitment. Call me for when
you or your friends and family are ready to
make a move

References available upon request.

YOUR AD GOES HERE

Contact Club Secretary
Ralph Pickwick KF4CJC - kj4cnc@arrl.net
For Rates

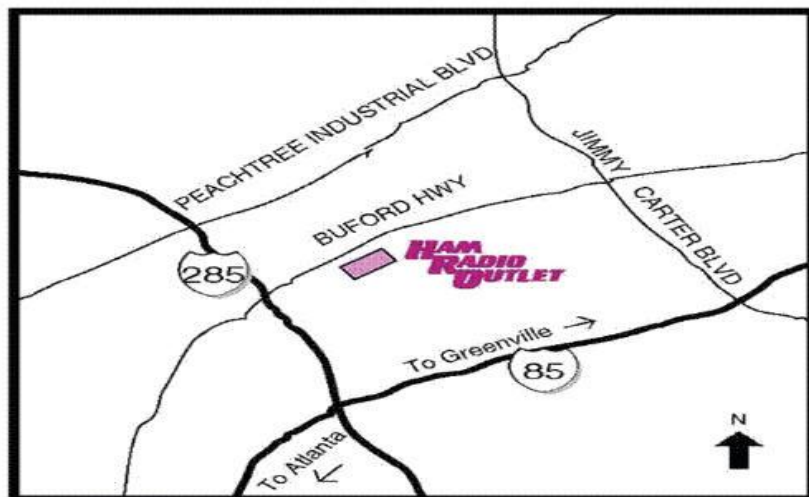
WORLD WIDE DISTRIBUTION



Mark Holmes
Manager
KJ4VO

6071 Buford Highway
Atlanta, GA 30340 (Doraville)
770-263-0700 1-800-444-7927
Fax: 770-263-9548
e-mail: atlanta@hamradio.com
hours: 10 a.m. - 5:30 p.m. Mon.-Sat.

John, KI4LMA Bill, W5RQR David, AI4XL Tom, KB4HQA
Dale, W4GCL Jim, N1ABM Josh, W4JDH Brian, WD4DX



Alinco
Icom
Japan Radio Corp.
Premier
ADI
Yaesu
Alpha Delta
Arrow
Butternut
Create
Kenwood
Tarheel
Heil
West Mountain

Cushcraft
Diamond
Force 12
Hustler
Hy-Gain (Telex)
KLM
Larsen
M2
Valor
Van Gorden
MFJ
Ameritron
Comet

YOUR AD GOES HERE...



HAM RADIO
RULES